

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A device manufacturing apparatus comprising:
 - a discharge head for discharging a liquid droplet containing a functional material;
 - a stage for supporting a substrate on which said liquid droplet is discharged, and which is capable of moving relative to said discharge head;
 - a carrier for carrying said substrate;
 - a detector for detecting a discharge condition of said liquid droplet which is discharged from a discharge nozzle formed in said discharge head; and
 - a controller for executing a detection operation by said detector during a carrying operation of said substrate.

2. (Currently Amended) A device manufacturing apparatus according to claim 1, said detector comprising:
 - a light emitter for emitting a detection light; and
 - a receiver for receiving said detection light emitted from said light emitter;wherein said receiver determines whether said liquid droplet is being discharged from said discharge nozzle, based on changes in the intensity of said detection light received by said receiver due to said liquid droplet passing through the optical path of said detection light.

3. (Original) A device manufacturing apparatus according to claim 2, wherein

said controller performs calibration of said receiver at a predetermined timing.

4. (Original) A device manufacturing apparatus according to claim 1, further comprising
a recovery unit for performing a recovery operation of said discharge nozzle.

5. (Original) A device manufacturing apparatus according to claim 4, wherein
said controller performs said recovery operation corresponding to detection results of said
detector, and reexecutes detection a predetermined number of times.

6. (Original) A device manufacturing apparatus according to claim 1, further
comprising
a display device for displaying detection results of said detector, and an error based on the
detection results.

7. (Original) A device manufacturing apparatus according to claim 1, wherein
said detector and said stage are provided at different locations.

8. (Original) A device manufacturing apparatus according to claim 1, wherein
said discharge head is two or more.

9. (Original) A device manufacturing apparatus according to claim 1, wherein
said device is at least one of; a liquid crystal element, an organic electroluminescent

element, a plasma display element, an electron emission element, an optical element and a conductive film element.

10. (Currently Amended) A device manufacturing method comprising:
a step of discharging a ~~liquid~~droplet containing a functional material onto a substrate by means of a discharge nozzle in a discharge head;
a carrying step of carrying said substrate; and
a detection step of detecting a discharge condition of said ~~liquid~~droplet which is discharged from said discharge nozzle, during a carrying operation of said substrate.

11. (Currently Amended) A device manufacturing method according to claim 10, comprising the steps of:
emitting detection light towards a receiver; and
determining whether said ~~liquid~~droplet is being discharged from said discharge nozzle, based on changes in the intensity of said detection light received by said receiver due to said ~~liquid~~droplet passing through the optical path of said detection light.

12. (Original) A device manufacturing method according to claim 11, wherein calibration of said receiver is performed at a predetermined timing.

13. (Original) Electronic equipment comprising
a device manufactured by the device manufacturing apparatus of claim 1.

14. (Original) Electronic equipment comprising
a device manufactured by the device manufacturing method of claim 10.